Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/12/2021 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124808	-1	1.16	124656	1.14
Blue	F	SSC	125000	124826	-1	2.46	125004	2.23
Blue	E	FITC	13131	12678	-4	2.12	293	14.90
Blue	D	PE	24112	23897	-1	1.55	549	10.62
Blue	B	PerCP-Cy5-5	31295	30763	-2	2.90	1020	13.68
Blue	A	PE-Cy7	19939	19578	-2	4.86	521	27.57
Red	C	APC	42122	41880	-1	2.87	1758	11.04
Red	A	APC-Cy7	22340	21808	-3	3.11	814	11.25
Violet	B	V450	7410	7097	-5	3.34	431	11.62
Violet	A	V500	28118	26733	-5	2.93	668	9.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23154	0.92	559	-10	N/A	N/A	Pass
Blue	F	SSC	58098	1.05	513	1	N/A	N/A	Pass
Blue	E	FITC	54	53.22	481	-6	0.0479	134	Pass
Blue	D	PE	115	36.16	484	-4	0.4081	278	Pass
Blue	B	PerCP-Cy5-5	189	34.04	580	-6	0.0228	79	Pass
Blue	A	PE-Cy7	105	65.23	621	-7	0.0249	5	Pass
Red	C	APC	405	23.01	575	-1	0.0299	166	Pass
Red	A	APC-Cy7	182	27.49	548	-3	0.0070	1564	Pass
Violet	B	V450	60	60.31	454	1	0.0816	2719	Pass
Violet	A	V500	97	31.21	465	0	0.0286	583	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.20	-31.94	1.02
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	16.45	13.60 - 20.40	N/A	N/A	30.32	30.54	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11276

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments